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| 1. Record Nr.           | UNINA990004604570403321                                                                                                                    |
| Autore                  | Tibullus, Albius <circa 50 a.C.-circa 19 a.C.>                                                                                             |
| Titolo                  | Albius Tibullus, eques romanus; et in eum Jo. Antonii Vulpri philologi ac rhetoris in Gymnasio Patavino Novus commentarius deligentissimus |
| Pubbl/distr/stampa      | Patavii : excudebat Josephus Cominus, 1749 ( (Patavii) : excudebat Josephus Cominus, 1749                                                  |
| Titolo uniforme         | Elegiae; Carmina <in latino>                                                                                                               |
| Descrizione fisica      | XXXVIII, [2], 340, 93, [3] p. ; 29 cm                                                                                                      |
| Disciplina              | 874.01                                                                                                                                     |
| Locazione               | FLFBC                                                                                                                                      |
| Collocazione            | SG 870/C 2                                                                                                                                 |
| Lingua di pubblicazione | Latino                                                                                                                                     |
| Formato                 | Materiale a stampa                                                                                                                         |
| Livello bibliografico   | Monografia                                                                                                                                 |

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| 2. Record Nr.           | UNISALENTO991001274329707536                                                                                      |
| Autore                  | Scharlau, Winfried                                                                                                |
| Titolo                  | Quadratic and Hermitian forms / Winfried Scharlau                                                                 |
| Pubbl/distr/stampa      | Berlin ; New York : Springer-Verlag, 1985                                                                         |
| ISBN                    | 3540137246                                                                                                        |
| Descrizione fisica      | x, 421 p. ; 24 cm.                                                                                                |
| Collana                 | Grundlehren der mathematischen Wissenschaften = A series of comprehensive studies in mathematics, 0072-7830 ; 270 |
| Classificazione         | AMS 12D<br>AMS 12E<br>QA243.S38                                                                                   |
| Disciplina              | 512.944                                                                                                           |
| Soggetti                | Hermitian forms<br>Quadratic forms                                                                                |
| Lingua di pubblicazione | Inglese                                                                                                           |
| Formato                 | Materiale a stampa                                                                                                |
| Livello bibliografico   | Monografia                                                                                                        |
| Note generali           | Bibliography: p. [402]-416.<br>Includes index                                                                     |

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| 3. Record Nr.           | UNINA9910717418003321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Autore                  | Luo Albert C. J.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Titolo                  | Two-dimensional quadratic nonlinear systems : univariate vector fields<br>// Albert C. J. Luo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pubbl/distr/stampa      | Singapore : , : Springer, , [2023]<br>©2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ISBN                    | 981-16-7873-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Edizione                | [1st ed. 2023.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Descrizione fisica      | 1 online resource (XIII, 685 p. 121 illus., 84 illus. in color.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Collana                 | Nonlinear Physical Science, , 1867-8459                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Disciplina              | 929.605                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Soggetti                | Computational complexity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nota di contenuto       | Chapter 1 Two-dimensional Linear Dynamical Systems -- Chapter 2 Single-variable Quadratic Systems with a Self-univariate Quadratic Vector Field -- Chapter 3 Single-variable Quadratic Systems with a Non-self-univariate Quadratic Vector Field -- Chapter 4 Variable-independent quadratic systems -- Chapter 5 Variable-crossing univariate quadratic systems -- Chapter 6 Two-univariate product quadratic systems -- Chapter 7 Product-bivariate Quadratic Systems with Self-univariate Vector Fields -- Chapter 8 Product-bivariate Quadratic Systems with Non-self-univariate Vector Fields.                                                                                                                                                                                                                                                                                                                                                                                |
| Sommario/riassunto      | This book focuses on the nonlinear dynamics based on the vector fields with univariate quadratic functions. This book is a unique monograph for two-dimensional quadratic nonlinear systems. It provides different points of view about nonlinear dynamics and bifurcations of the quadratic dynamical systems. Such a two-dimensional dynamical system is one of simplest dynamical systems in nonlinear dynamics, but the local and global structures of equilibriums and flows in such two-dimensional quadratic systems help us understand other nonlinear dynamical systems, which is also a crucial step toward solving the Hilbert's sixteenth problem. Possible singular dynamics of the two-dimensional quadratic systems are discussed in detail. The dynamics of equilibriums and one-dimensional flows in two-dimensional systems are presented. Saddle-sink and saddle-source bifurcations are discussed, and saddle-center bifurcations are presented. The infinite- |

equilibrium states are switching bifurcations for nonlinear systems. From the first integral manifolds, the saddle-center networks are developed, and the networks of saddles, source, and sink are also presented. This book serves as a reference book on dynamical systems and control for researchers, students, and engineering in mathematics, mechanical, and electrical engineering.

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